

**A New Species of *Cyclocephala* Latreille
from California Sand Dunes**

(Coleoptera: Scarabaeidae)

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In the course of investigations of the sand dune habitat in the western United States, the following undescribed species of *Cyclocephala* was collected from black light in series with *Leptohoplia testaceipennis* Saylor, a strikingly similar species.

***Cyclocephala wandae*, new species**

Holotype Male: length 7.3 mm; width (elytral humeri) 3.0 mm. Head rufo-testaceous to testaceous, rest of body pale flavotestaceous; clypeus with angles acute, upturned, sides divergent to base, disc glabrous, with scattered medium punctures, posterior clypeal margin raised above bisinuate suture; front and vertex with scattered coarse punctures, those of vertex with short erect setae; eye large, anterior edge visible in front of canthus from dorsal aspect; antennae 9 segmented, club three segmented, approximately twice as long as basal segments. Pronotum widest just behind anterior angles; sides straight behind and in front of angle; anterior and posterior angles broadly rounded; marginal line complete except medially posteriorly; margin broad anteriorly, narrowing laterally and posteriorly; disc with scattered fine to medium punctures. Scutellum with large shallow scattered punctures; punctures anteriorly and laterally each with a single posteriorly inclined seta. Elytra without easily discernable striae or intervals; surface with very short setae, setae barely visible (best seen in side view). Pygidium closely, shallowly rugosely punctate; provided with long, fine, scattered hairs, these hairs longer and denser basally. Mentum with a dense, anteriorly directed brush made up of many closely set erect bristles. Anterior tibiae with three, acute, widely separated teeth on outer margin, basal tooth median; anterior tarsal claws with larger claw not split at tip, smaller claw reduced to a short stub. Hind tibia with median carina poorly defined, evident as a dark pigmented, setose, poorly elevated line, apical marginal carina missing; posterior tarsal claws fine, straight, acute. Male genitalia: figure 1.

Variation in paratypical series: length: 6.6 mm to 7.5 mm; width 2.7 mm to 3.0 mm. Generally agreeing with type.

Holotype male (CAS #11941) and 2 male paratypes, CALIFORNIA, IMPERIAL Co., 3 mi. NW GLAMIS, IX-15/16-1972, M. Wasbauer and A. Hardy (USNM, HFH); 1 male paratype, California, Imperial Co., Regina, approx. 20 mi. SE Niland, VII-4-1971, Sand Dunes, Hardy et al. Collrs. (ARH). Paratypes are deposited in the following collections: USNM, Howden and that of the author.

I take pleasure in naming this species for my wife, Wanda, who participated in the first collection of this species.

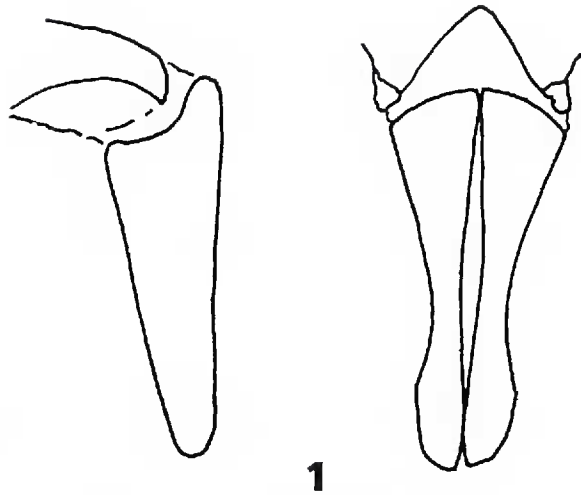


FIG. 1. *Cyclocephala wandae* Hardy, male genitalia.

This species is similar to *Cyclocephala arenosa* Howden and Endrödi in the form of the apex of clypeus and general body shape and color, although smaller. *C. wandae* keys to *C. puberula* LeConte or *C. crepuscularis* Martinez in Endrödi's key (1966:63) (however, not fitting either couplet), but may be readily distinguished by the male genitalia (fig. 1). The male genitalia closely resembles that of *C. seditiosa* LeConte, however *seditiosa* has a 10-segmented antennae vs. 9-segmented for *wandae*, and is larger (10–12 mm vs. 6.6–7.5 mm).

This species exhibits a number of characteristics which appear to be adaptations to the Sand Dune habitat. The well developed brush of hairs on the mentum is present in *Leptohoplia* (Howden and Hardy, 1971), and an undescribed species in Anomalini. The light color is present in *Pseudocotalpa andrewsi* Hardy; an undescribed species of *Anomala*; and *Cyclocephala arenose* H. & E., in addition to the above.

LITERATURE CITED

- ENDRÖDI, SEBO. 1966. Monographie der Dynastinae. Teil I. [Cyclocephalini]. Entomol. Abhandl., 33: 1–460.
- HOWDEN, H. F. and ENDRÖDI, S. 1966. Five new species of *Cyclocephala* Latreille from North and Central America (Coleoptera: Scarabaeidae). Can. Entomol., 98(1): 295–302.
- HOWDEN, H. F. and HARDY, A. R. 1971. Generic placement and adult behavior of the genus *Leptohoplia* Saylor. Proc. Entomol. Soc. Washington, 73(3): 337–341.